Fiscal Year 2003 Crop Soft White Wheat Protein Data
251 Samples

Approximately 10 percent of all samples officially tested for wheat protein are sent to GIPSA's Technical Center as part of an on-going quality control program. GIPSA selects approximately 10 percent of these samples to test for protein using the Combustion Nitrogen Analyzer (CNA) reference method. These data are used to review calibration performance.

Data are presented below showing the difference between the current official wheat protein predictions using Partial Least Squares (PLS) calibrations and wheat protein predictions using the proposed Artificial Neural Network (ANN) calibration, as well as the difference between the PLS and ANN protein results and CNA reference values.

The data presented below show actual differences observed on a sample-by-sample for 2003 crop samples using the ANN all-class wheat protein calibration scheduled for implementation in May 2005. Actual differences experienced upon implementation in May 2005 may differ. We share this data to provide our customers with the best available data to estimate the potential market impact of the change.

	Average Bias	Standard Deviation of the Differences
ANN – PLS	-0.02	0.178
PLS – CNA	-0.05	0.257
ANN – CNA	-0.07	0.235

USDA

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SWH FY2003 Data

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